

CLAIMS

1. A fuel cell apparatus characterized by comprising:
a fuel cell for generating electric power using a liquid fuel; and
5 a concentration adjusting means for adjusting the concentration of
said liquid fuel to an optimal concentration according to an output mode
demanded by said fuel cell.
2. The fuel cell apparatus as described in claim 1, characterized in
10 that:
said concentration adjusting means adjusts the concentration of said
liquid fuel by reusing the liquid fuel which is used in said fuel cell for
power generation.
- 15 3. The fuel cell apparatus as described in claim 1, characterized in
that:
said concentration adjusting means comprises a plurality of fuel
mixing means which form, respectively, liquid fuels each having a
predetermined concentration.
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4. The fuel cell apparatus as described in claim 3, characterized in
that:
from said plurality of fuel mixing means a fuel mixing means is
selected for forming liquid fuel having an optimal concentration for said
25 output mode.
5. The fuel cell apparatus as described in claim 1, characterized by
further comprising a concentration detecting means for detecting the
concentration of said liquid fuel.
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6. The fuel cell apparatus as described in claim 5, characterized in

that: said concentration detecting means is provided at said plurality of fuel mixing means.

7. The fuel cell apparatus as described in claim 5, characterized in
5 that: said concentration detecting means is provided between said fuel cell and said plurality of fuel mixing means.

8. A method for feeding a fuel for fuel cell characterized by comprising the steps of:
10 detecting an output mode demanded by a fuel cell for generating electric power using a liquid fuel, and
adjusting the concentration of said liquid fuel to an optimal concentration according to said output mode.